



# MATERIAL SAFETY DATA SHEET

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## SECTION I

|  |   |
|--|---|
| MANUFACTURER'S NAME<br><b>E/M LUBRICANTS, INC.</b>                     | EMERGENCY TELEPHONE NO.<br><b>213/875-0101</b><br><b>317/463-2511</b> |
| TRADE NAME AND SYNONYMS<br><b>Perma Slik® S</b>                        |   |
| CHEMICAL NAME AND SYNONYMS<br><b>Solid Film Lubricant</b>              |   |
| CHEMICAL FAMILY<br><b>Mixture of organic &amp; inorganic chemicals</b> | FORMULA<br><b>Proprietary</b>   |

## SECTION II - HAZARDOUS INGREDIENTS

| COMPONENT  | % | HAZARD DATA   |
|--|---|---|
| Modified Alkyd Resin<br>Molybdenum disulfide<br>Organic Solvents<br>LPG propellant |   | Not available from manufacturer<br>Non-toxic<br>TLV - 200 ppm<br>TLV - 1000 ppm |

## SECTION III - PHYSICAL DATA

|  |           |                                       |          |
|--|-----------|---------------------------------------|----------|
| BOILING POINT (°F.)  | NA        | SPECIFIC GRAVITY (H <sub>2</sub> O=1) | app. 1.1 |
| VAPOR PRESSURE (mm Hg.)  | NA        |                                       |          |
| VAPOR DENSITY (AIR=1)  | NA        |                                       |          |
| SOLUBILITY IN WATER  | Insoluble |                                       |          |
| APPEARANCE AND ODOR <b>Blue Black Liquid - organic solvent odor.</b> |           |                                       |          |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|  |                                    |
|--|------------------------------------|
| FLASH POINT (Method used)<br><b>MoS<sub>2</sub> coating only COC 00°F</b>  | FLAMMABLE LIMITS<br><b>Unknown</b> |
| EXTINGUISHING MEDIA  |                                    |
| SPECIAL FIRE FIGHTING PROCEDURES<br><b>Foam, carbon dioxide, dry chemical.</b>   |                                    |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br><b>Product is packaged in an aerosol container which can explode if exposed to extreme heat.</b> |                                    |

## SECTION V - HEALTH HAZARD DATA

|  |
|--|
| THRESHOLD LIMIT VALUE<br><b>Not determined for this product.</b>   |
| TOXICITY<br><b>Exposures to high concentrations of vapors for extended periods of time may cause impairment of coordination and reaction time.</b> |

CONTINUED

## SECTION V - HEALTH HAZARD DATA (cont.)

### EFFECTS OF OVEREXPOSURE

May cause impairment of coordination and reaction time.

### EMERGENCY AND FIRST AID PROCEDURES

Move to well ventilated area.

## SECTION VI - REACTIVITY DATA

### STABILITY

UNSTABLE

X

### CONDITIONS TO AVOID

high heat or open flame.

STABLE

### INCOMPATIBILITY

### HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to open flame, can emit toxic fumes.

### HAZARDOUS

### POLYMERIZATION

None

MAY OCCUR

WILL NOT OCCUR

### CONDITIONS TO AVOID

## SECTION VII - SPILL OR LEAK PROCEDURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Maximize ventilation - keep away from open flames - do not smoke.

### WASTE DISPOSAL METHOD

Place in approved waste solvent safety container - consult local authorities for proper disposal procedures.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

### RESPIRATORY PROTECTION

Avoid exposure in poorly ventilated areas.

### VENTILATION

LOCAL EXHAUST

SPECIAL

Yes

MECHANICAL

Yes

OTHER

### PROTECTIVE GLOVES

Yes

### EYE PROTECTION

Yes

### OTHER PROTECTIVE EQUIPMENT

Rubber apron

## SECTION IX - SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool area away from open flame.

### OTHER PRECAUTIONS

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